

EVAPORATED, CONDENSED, AND DRY MILK  
REPORT FOR SEPTEMBER 1960

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EVAPORATED AND CONDENSED MILK: September output of evaporated whole milk is estimated at 171.0 million pounds by the Crop Reporting Board. This is 8 percent less than September production last year and 7 percent less than the 1954-58 average for the month. Cumulative output during the first three quarters of 1960 totaled 1,733 million pounds, down 7 percent from the same period in 1959.

Production of canned sweetened condensed whole milk was 5.8 million pounds, up 18 percent from September 1959 and 48 percent above the 1954-58 September average. This marked a full year in which output each month has exceeded that of same period a year earlier. In 1960 through September, a total of 53 million pounds of canned sweetened condensed whole milk was produced, 11 percent more than in the corresponding period the preceding year.

DRY MILK: Production of total nonfat dry milk for human food continued at a record high level during September, the Crop Reporting Board reports. Output of dry whole milk was above that of the same month a year earlier for the second consecutive month while dry buttermilk and dry skim milk for animal feed production was lower than in September 1959.

Output of spray-dried nonfat milk in September is estimated at 91.0 million pounds, up 3 percent from a year earlier, 25 percent above average, and the largest September production of record. This was the 13th consecutive month in which spray-dried nonfat output has exceeded that of the same period a year earlier. January-through-September production totaled 1,354 million pounds, a gain of 7 percent over the first 3 quarters of 1959.

The 7.8 million pounds of roller-dried nonfat milk produced in September were 2 percent more than the September 1959 output but 9 percent less than the 1954-58 average for the month. In 1960 through September, production totaled 124 million pounds, up 9 percent from the same period last year.

Dry whole milk production was 8.2 million pounds, an increase of 8 percent from September a year ago but practically the same as the 1954-58 average. Cumulative output for the first 9 months of 1960 at 78 million pounds was 6 percent larger than the January-through-September total in 1959.

The 4.7 million pounds of dry buttermilk produced were 2 percent less than September output last year but 18 percent more than average. Production in 1960 through September was 69 million pounds, a gain of 11 percent over the same period of 1959.

Output of dry skim milk for animal feed totaled 1.6 million pounds, a decrease of 12 percent from September 1959 but an increase of 14 percent from the 5-year

average for the month. Cumulative production during the first 9 months of this year totaled 17 million pounds, 3 percent less than in the corresponding period of 1959.

#### STOCKS, SHIPMENTS, PURCHASES, AND PRICES

EVAPORATED AND CONDENSED MILK: Reporting manufacturers' stocks of evaporated whole milk on September 30 totaled 332.7 million pounds, down 13 percent from a year earlier, 20 percent below the 1954-58 end-of-September average and the smallest for the date in 14 years. Manufacturers also held 5.5 million pounds of canned sweetened condensed whole milk, 21 percent less than on September 30, 1959 and 19 percent less than average for that date.

Manufacturers' selling prices of evaporated whole milk during September averaged \$6.32 per case of 48  $14\frac{1}{2}$ -oz. cans. This was 1 cent per case above the August price and 14 cents higher than the September 1959 average. Compared with the preceding month, September prices were down 1 cent per case in Southwestern States, unchanged in the South Central and Northwestern regions, up 2 cents in New England and 1 cent in other sections of the country.

Prices paid producers by condenseries during September averaged \$3.47 per hundredweight for milk testing 4.05 percent fat or 86 cents per pound of milkfat. On the basis of milkfat, September prices were a 7-year high, 2 cents per pound above the preceding month and 4 cents higher than in September 1959. The average milkfat test of milk purchased by condenseries was the lowest for September in the 14 years of record.

Reporting condenseries, for which historical data are available, purchased 454 million pounds of milk from approximately 93,000 producers in September. Average daily purchases per producer were 162.9 pounds, up 3 percent from September last year and 26 percent above the 1954-58 average for the month.

DRY MILK: Stocks of all major dry milk products except dry whole milk were considerably larger on September 30 than a year earlier. Holdings of total nonfat dry milk for human food (spray and roller process combined) were 110.6 million pounds, up 12 percent from September 30, 1959, 15 percent above average, and the second largest of record for the date. Manufacturers held 92.3 million pounds of spray-dried nonfat milk, 3 percent more than a year earlier and 18 percent more than the 1954-58 end-of-September average. Stocks of roller-dried nonfat milk, at 18.3 million pounds, were almost double last year's record low end-of-September holdings and 2 percent above average for the date. The 4.8 million pounds of dry whole milk held by reporting manufacturers were 1 percent less than September 30 stocks last year and 55 percent below average.

End-of-September holdings of dry buttermilk were 8.3 million pounds, up 78 percent from a year earlier and 69 percent above the 5-year average for the date. Stocks of dry skim milk for animal feed totaled 1.5 million pounds on September 30. This was 43 percent more than holdings at that time a year ago and 16 percent above average.

Reporting manufacturers shipped larger quantities of all major dry milk products in September this year than last. Compared with September 1959, movement of spray-dried nonfat milk was up 6 percent, roller-dried nonfat increased 12 percent, dry whole milk and dry skim milk for animal feed each rose 13 percent, while dry buttermilk shipments jumped 29 percent.

Manufacturers' selling prices for total nonfat dry milk for human food averaged 13.60 cents per pound in September, up 0.2 cent from a month earlier but practically the same as in September 1959. Spray-dried nonfat milk prices averaged 13.71 cents per pound, up 0.2 cent from the preceding month reflecting the increase in Government support prices of nonfat dry milk produced after September 17. Prices were only fractionally above the September 1959 average however. Roller-dried nonfat milk at 12.56 cents per pound was down fractionally from the preceding month and 0.2 cent below last year's September average.

Selling prices of dry whole milk in 1-2 $\frac{1}{2}$  pound packages averaged 44.65 cents per pound, up 0.7 cent from August but down 1.8 cents from September 1959. September prices of 5-pound packages averaged 42.70 cents per pound, increasing 0.9 cent from August 1960 and 0.3 cent from September last year. Dry whole milk in miscellaneous large packages, mostly barrels and drums, averaged 32.01 cents per pound, up 0.3 cent from both the preceding month and September 1959. The average of reported September prices for dry whole milk in all sizes of packages was 36.81 cents per pound. This was 0.3 cent below the August average and 3.7 cents below the September price last year. However, the indicated declines are almost entirely due to a reduction in the proportion of the total shipments represented by the higher priced small packages since prices in almost every category were higher in September than a month and a year earlier.

Manufacturers' September selling prices of dry buttermilk for human food and animal feed combined averaged 13.27 cents per pound, up 0.3 cent from August but down slightly from September last year. Dry skim milk for animal feed at 10.21 cents per pound was down 0.2 cent from August but up 0.4 cent from September 1959.

U. S. Department of Agriculture purchases of nonfat dry milk for price support and Section 32 purposes in October through the 26th totaled 28.0 million pounds. September purchases were 64.2 million pounds and for the 1960 marketing year April 1 through October 26 totaled 551 million pounds. On October 26 the Department held 267 million pounds of uncommitted supplies of nonfat dry milk.

Table 1.-Evaporated, condensed, and dry milk: Production, Sept. 1960

Commodity	Sept. 1959 <sup>1/</sup>	Sept. 1960 <sup>2/</sup>		Jan.-Sept. 1960		
		Total	Change from--		Total	Change from Jan.-Sept. 1959
			Sept. 1954-58 average	Sept. 1959		
	1,000 pounds	1,000 pounds	Percent	Percent	1,000 pounds	Percent
<b>Evaporated and condensed milk:</b>						
Evaporated whole (case goods).....	185,062	171,000	- 7	- 8	1,732,800	- 7
Condensed whole (case goods).....	4,924	5,815	+48	+18	52,735	+11
<b>Dry milk:</b>						
Dry whole milk.....	7,637	8,250	0	+ 8	77,750	+ 6
Nonfat dry milk (human food):						
Spray process.....	88,099	91,000	+25	+ 3	1,354,300	+ 7
Roller process.....	7,670	7,800	- 9	+ 2	124,500	+ 9
Total.....	95,769	98,800	+21	+ 3	1,478,800	+ 7
Dry skim milk (animal feed).....	1,756	1,550	+14	-12	17,430	- 3
Dry buttermilk.....	4,803	4,700	+18	- 2	69,350	+11

<sup>1/</sup> Enumerations.<sup>2/</sup> Estimates.Table 2.- Evaporated, condensed, and dry milk: Manufacturers' reported stocks  
Sept. 30, 1960 <sup>1/</sup>

Commodity	Average Sept. 30, 1954-58	Sept. 30, 1959 <sup>2/</sup>	Sept. 30, 1960		
			Total	Change from--	
				Sept. 30, 1954-58 av.	Sept. 30, 1959
	1,000 pounds	1,000 pounds	1,000 pounds	Percent	Percent
<b>Evaporated and condensed milk:</b>					
Evaporated whole (case goods).....	416,024	383,959	332,723	-20	-13
Condensed whole (case goods).....	6,796	6,913	5,484	-19	-21
<b>Dry milk:</b>					
Dry whole milk.....	10,870	4,919	4,850	-55	- 1
Nonfat dry milk (human food):					
Spray process.....	78,246	89,273	92,299	+18	+ 3
Roller process.....	17,904	9,375	18,308	+ 2	+95
Total.....	96,150	98,648	110,607	+15	+12
Dry skim milk (animal feed).....	1,255	1,018	1,457	+16	+43
Dry buttermilk.....	4,895	4,646	8,276	+69	+78

<sup>1/</sup> Stocks held by manufacturers at all points, also those in transit and those contracted for sale but not delivered.<sup>2/</sup> Revised to include late reports.

Table 3.- Dry milk: Manufacturers' reported shipments at specified price ranges, f.o.b. plant, Sept. 1960 <sup>1/</sup>

Price per pound <sup>2/</sup>	Nonfat dry milk, human food (bulk goods)		Dry skim milk for animal feed	Dry buttermilk	
	Spray process <sup>3/</sup>	Roller process		Human food	Animal feed
Cents	Pounds	Pounds	Pounds	Pounds	Pounds
6 -6½	-	-	4,574	-	-
7 -7½	-	-	1,910	-	-
8 -8½	-	-	76,787	-	5,035
8½-9	-	-	-	-	2,950
9 -9½	-	-	24,256	-	105,600
9½-10	-	-	41,515	-	1,240
10 -10½	-	-	207,924	-	118,050
10½-11	-	-	255,422	-	59,873
11 -11½	-	81,950	103,395	19,500	190,295
11½-12	-	1,434,340	2,060	159,800	286,950
12 -12½	1,202,002	3,209,782	36,290	37,900	-
12½-13	11,040,762	3,155,605	7,885	583,738	-
13 -13½	29,491,276	535,700	-	1,249,025	-
13½-14	17,985,179	336,640	-	204,260	-
14 -14½	9,716,364	171,500	-	822,804	-
14½-15	3,288,670	231,400	-	527,159	-
15 -15½	5,450,478	49,300	-	413,400	-
15½-16	1,117,420	-	-	-	-
16 -16½	867,221	-	-	-	-
16½-17	1,749,927	-	-	21,100	-
17 -17½	199,370	-	-	68,455	-
Dry whole milk <sup>4/</sup>					
	1-2½ lb. packages	5-lb. packages	All other packages including bbls. & drums	Total	
	Pounds	Pounds	Pounds	Pounds	
28½-29½	-	-	323,472	323,472	
29½-30½	-	-	437,720	437,720	
30½-31½	-	-	376,190	376,190	
31½-32½	-	-	749,730	749,730	
32½-33½	-	-	352,298	352,298	
33½-34½	-	-	870,055	870,055	
34½-35½	-	-	217,868	217,868	
35½-36½	-	30,100	-	30,100	
39½-40½	386,922	176,130	-	563,052	
41½-42½	165,927	-	-	165,927	
42½-43½	-	66,610	-	66,610	
43½-44½	-	647,754	-	647,754	
45½-46½	3,090	-	-	3,090	
46½-47½	1,080,222	-	-	1,080,222	

<sup>1/</sup> Excludes shipments for which prices were not reported. For total reported see table 4.

<sup>2/</sup> Classified according to average monthly prices reported by firms.

<sup>3/</sup> Excludes spray-dried nonfat milk sold in packages of retail size.

<sup>4/</sup> Includes some dry whole milk in special packages for export.

Table 4.-Dry milk: Manufacturers' reported shipments, Sept. 1960 <sup>1/</sup>

Commodity	Sept. 1959	August 1960	Sept. 1960		
			Total	Change from--	
				Sept. 1959	August 1960
	1,000 <u>pounds</u>	1,000 <u>pounds</u>	1,000 <u>pounds</u>	<u>Percent</u>	<u>Percent</u>
Dry whole milk.....	7,011	6,683	7,925	+13	+19
Nonfat dry milk (human food):					
Spray process <sup>2/</sup> .....	87,156	110,226	92,370	+ 6	-16
Roller process.....	8,513	9,147	9,514	+12	+ 4
Total.....	95,669	119,373	101,884	+ 6	-15
Dry skim milk (animal feed).....	810	962	914	+13	- 5
Dry buttermilk:					
For human food.....	3,584	4,084	4,614	+29	+13
For animal feed.....	687	949	876	+28	- 8
Total.....	4,271	5,033	5,490	+29	+ 9

<sup>1/</sup> Includes shipments for which prices were not reported.

<sup>2/</sup> Excludes spray-dried nonfat milk sold in packages of retail size.

Table 5.-Dry milk: Manufacturers' average selling price per pound, f.o.b. plant, Sept. 1960 <sup>1/</sup>

Month	Nonfat dry milk <sup>2/</sup>			Dry skim an. feed	Nonfat & dry skim	Dry buttermilk			Dry whole milk			Total
	Spray process	Roller process	Spray and roller			Human food	Animal feed	Human and animal	1-2½ pound pkgs.	5-pound pkgs.	Other pkgs. <sup>3/</sup>	
Sept. 1954-58	15.18	13.57	14.96	9.67	14.91	13.94	8.66	12.69	44.12	39.54	32.70	38.50
Sept. 1959..	4/13.67	12.80	13.59	9.85	13.56	13.99	9.85	13.32	46.50	42.40	31.73	40.49
Aug. 1960..	4/13.50	12.60	13.43	10.44	13.41	13.51	10.76	12.99	43.92	41.79	31.70	37.15
Sept. 1960..	4/13.71	12.56	13.60	10.21	13.57	13.74	10.82	13.27	44.65	42.70	32.01	36.81

<sup>1/</sup> Prices reported by firms weighted by their shipments to derive averages and segments also weighted by shipments to derive combined prices.

<sup>2/</sup> Average of prices for shipments in bulk packages such as barrels, drums, and bags.

<sup>3/</sup> Includes barrels and drums.

<sup>4/</sup> Excludes spray-dried nonfat milk sold in packages of retail size.

Table 6.-Evaporated whole milk: Manufacturers' average selling price per case of 48 14½-oz. cans, in carlots, by geographic divisions, Sept. 1960 <sup>1/</sup>

Geographic division	Sept. 1959	August 1960	Sept. 1960
	<u>Dollars</u>	<u>Dollars</u>	<u>Dollars</u>
New England.....	6.13	6.21	6.23
Middle Atlantic.....	6.09	6.18	6.19
South Atlantic.....	6.13	6.25	6.26
East North Central.....	6.11	6.21	6.22
West North Central.....	6.24	6.40	6.41
South Central.....	6.28	6.41	6.41
North Western.....	6.31	6.47	6.47
South Western.....	6.35	6.54	6.53
United States.....	6.18	6.31	6.32

<sup>1/</sup> Manufacturers' prices are based on the reports made by manufacturers covering actual sales of goods delivered at manufacturers' distributing points on the basis of cash or short-time credit.

Table 7.- Milk bought by condenseries primarily for evaporated milk: Average price and fat test, by States, Sept. 1960 <sup>1/</sup>

State and division	Sept. 1959			August 1960			Sept. 1960		
	Milk price per 100 pounds	Milkfat		Milk price per 100 pounds	Milkfat		Milk price per 100 pounds	Milkfat	
		Test	Price per pound		Test	Price per pound		Test	Price per pound
	Dollars	Percent	Dollars	Dollars	Percent	Dollars	Dollars	Percent	Dollars
Pa. ....	3.21	3.71	.87	3.10	3.66	.85	3.22	3.71	.87
M.Atl. <sup>2/</sup>	3.21	3.71	.87	3.10	3.66	.85	3.22	3.71	.87
Md. ....	3.57	4.11	.87	3.40	3.98	.85	3.50	4.10	.85
Va. ....	3.43	4.43	.77	3.32	4.18	.79	3.49	4.33	.81
S.Atl. <sup>2/</sup>	3.44	4.39	.78	3.29	4.17	.79	3.47	4.32	.80
Ohio.....	3.34	3.90	.86	3.33	3.83	.87	3.43	3.89	.88
Ind. ....	3.33	3.93	.85	3.56	3.88	.92	3.61	3.94	.92
Ill. ....	3.14	3.67	.86	3.19	3.68	.87	3.34	3.72	.90
Mich. ....	3.23	3.80	.85	3.28	3.76	.87	3.37	3.83	.88
Wis. ....	3.25	3.71	.88	3.27	3.64	.90	3.49	3.75	.93
E.N.C. ..	3.26	3.78	.86	3.30	3.73	.88	3.45	3.80	.91
Mo. ....	3.45	4.35	.79	3.36	4.12	.82	3.57	4.28	.83
Kans. ....	3.25	4.04	.80	3.13	3.81	.82	3.34	3.92	.85
W.N.C. <sup>2/</sup>	3.36	4.09	.82	3.29	3.92	.84	3.47	4.03	.86
Ky. ....	3.42	4.49	.76	3.26	4.24	.77	3.53	4.44	.80
Tenn. ....	3.50	4.56	.77	3.36	4.30	.78	3.58	4.47	.80
Ala. ....	3.39	4.49	.76	3.19	4.12	.77	3.45	4.35	.79
Miss. ....	3.56	4.61	.77	3.36	4.27	.79	3.67	4.53	.81
Ark. ....	3.41	4.37	.78	3.34	4.19	.80	3.54	4.31	.82
S.Cent. <sup>2/</sup>	3.46	4.52	.77	3.32	4.26	.78	3.56	4.45	.80
Idaho ....	3.35	3.80	.88	3.20	3.61	.89	3.36	3.70	.91
N.W. <sup>2/</sup> ..	3.42	3.92	.87	3.21	3.64	.88	3.39	3.77	.90
Utah.....	3.05	3.57	.85	3.00	3.46	.87	3.14	3.53	.89
Calif. ...	3.52	3.89	.90	3.28	3.75	.87	3.40	3.83	.89
S.W. <sup>2/</sup> ..	3.45	3.83	.90	3.23	3.70	.87	3.35	3.79	.88
U.S. <sup>2/</sup> ..	3.37	4.09	.82	3.29	3.94	.84	3.47	4.05	.86

<sup>1/</sup> Preliminary. Prices f.o.b. plant for milk of actual milkfat, as reported.

<sup>2/</sup> Includes data for some States not shown separately.

Table 8.- Milk bought by condenseries: Quantity bought, and number of producers, Sept. 1960 <sup>1/</sup>

Item	Average Sept. 1954-58	Sept. 1959 <sup>2/</sup>	Sept. 1960
Milk bought from producers..... pounds	482,665,000	467,999,000	454,357,000
Producers..... number	124,000	99,000	93,000
Average per producer per day..... pounds	129.7	157.6	162.9
Change in purchases per producer:			
1960 from 1959..... percent	xxxx	xxxx	+ 3.4
1960 from 5-year average..... percent	xxxx	xxxx	+25.6

<sup>1/</sup> Reported milk purchases at those plants (or their receiving stations) with canning equipment for which historical data are available. In some periods a part of all of the milk received at such plants may be used for purposes other than the manufacture of canned milk.

<sup>2/</sup> Revised.

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Condensery-pay-price for Chicago Milk Marketing Order:

The average price per hundredweight reported paid to producers for the entire month by 11 Midwest condenseries for milk of 3.5% fat content used in calculating class prices:

Sept. 1960  
\$3.202

Chicago Area Nonfat Dry Milk Price:

The average price per pound received f.o.b. plant in carlots covering the States of Illinois, Indiana, Michigan, Minnesota, and Wisconsin:

Aug. 26-Sept. 25, 1960  
Spray 13.43¢  
Roller 12.13¢